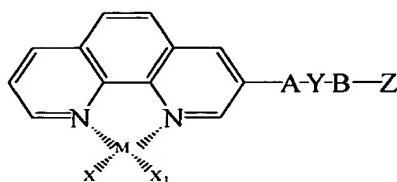
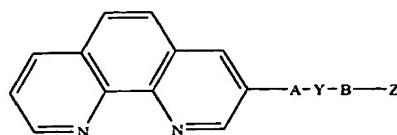


44. (Twice Amended) A compound represented by one of the formulae:



wherein

M is a transition metal ion;

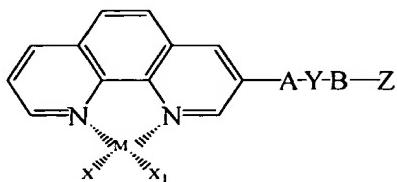
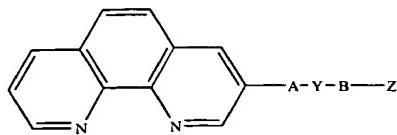
the A-Y-B moiety is selected from the group consisting of -C≡C-, -CH=CH-,

-N=N-, and -CH=N-;

X and X<sub>1</sub> are co-ligands and wherein at least one of X and X<sub>1</sub> is present; and

Z is a nucleosidyl moiety attached via the base.

45. (Twice Amended) A compound represented by one of the formulae:



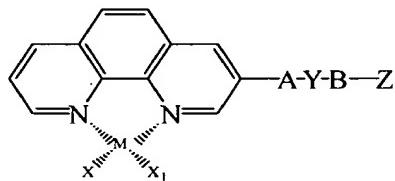
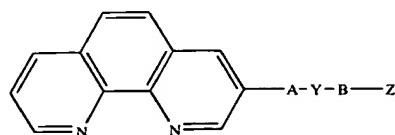
wherein

M is a transition metal ion;

the A-Y-B moiety is selected from the group consisting of -C≡C-, -CH=CH-,  
-N=N-, and -CH=N-;

X and X<sub>1</sub> are co-ligands and wherein at least one of X and X<sub>1</sub> is present; and  
Z is a nucleotidyl moiety attached via the base.

46. (Twice Amended) A compound represented by one of the formulae:



wherein

M is a transition metal ion;

the A-Y-B moiety is selected from the group consisting of -C≡C-, -CH=CH-,

-N=N-, and -CH=N-;

X and X<sub>1</sub> are co-ligands and wherein at least one of X and X<sub>1</sub> is present; and,

Z is a nucleic acid moiety attached via a base.

48. (Twice Amended) A compound represented by one of the formulae:

